

Figure 1.

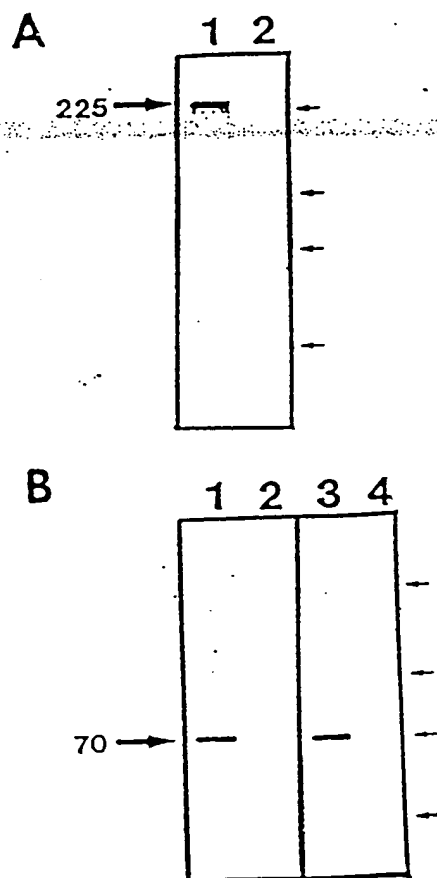
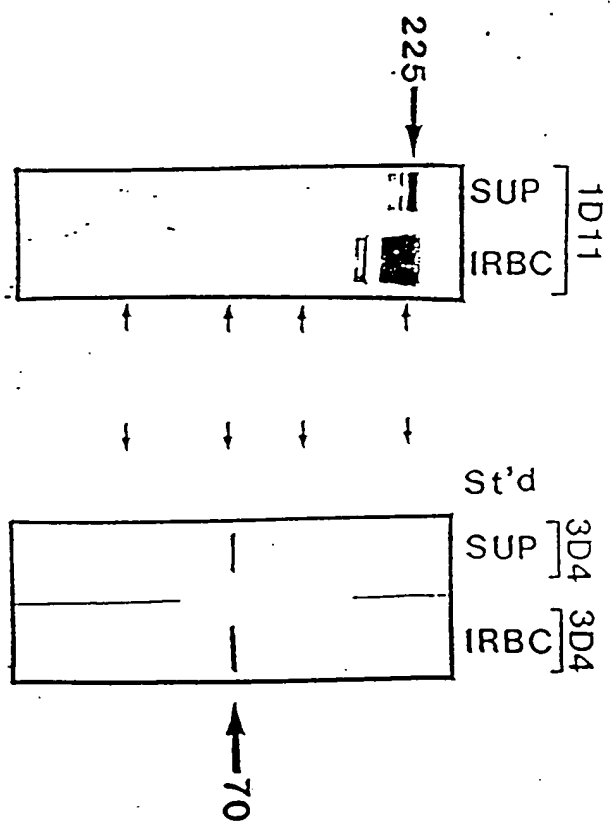


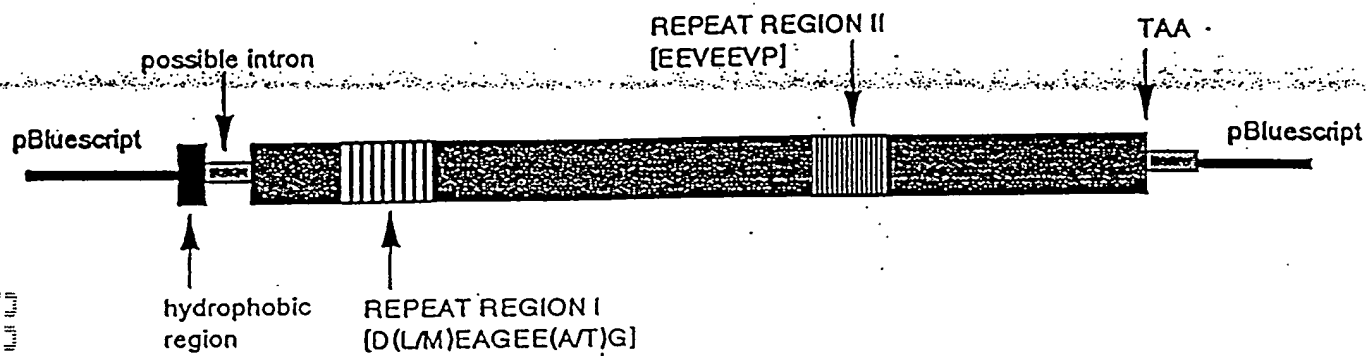
Figure 2.



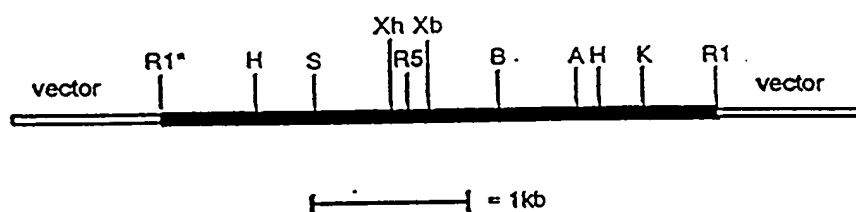
$\{f_{\alpha}^{(n)}\}_{\alpha \in I}$ all have norm one in $H^{\infty}(D)$. If f_0 is not identically zero, then $\{f_{\alpha}^{(n)}\}_{\alpha \in I}$ has no common factor in $H^{\infty}(D)$.

Figure 3.

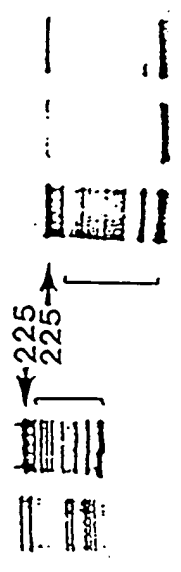
A.



B.



A 1 2 3 4 5 6 7 8 9 10 11



B 1 2 3 4 5

C 1 2 3 4 5 6 7

D



Figure 5.

P. vivax: ESP-1

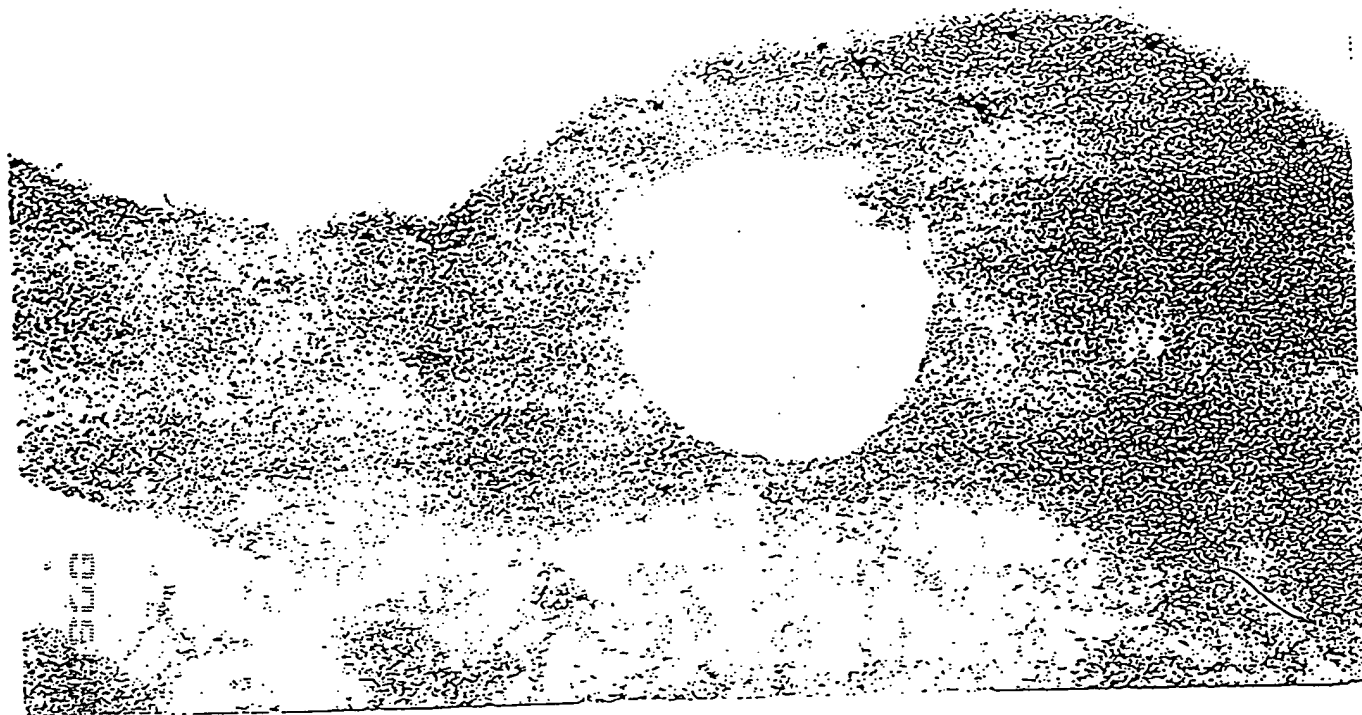
GAATTCGGTAAGTAACAACATATGGTTTCGTATCTATATATAACCTTACTAATTTTATCTTTTGCTTTTCTTTTATTCATGCTTCAAC 90
N S G K V T T M V S Y L Y I T L L I L S F A F L L I H A S T
AGTAAGATAAAAAATAATCTATAAAAACTGCTATATATACATATATATTATAAGTGGCATTGTGAATTGGGATCATTTAAATTTACGTA 180
AAAACAATATTGAAAAAATTTTTTTTTTTTTTTTTTTTGTCTACAGAACGATTTAGAATTGGAAAAATGCTTCTGATGATGTTGTAG 270
N D L E L E N A S D D V V
AGGTGGAGGATCCTTCAAACGACGGTTTAGAATTAGAAGAGGAAAAATTTGATGAGAATTTCAGGTGATGATGAAACTCTTTTAGATGCTA 360
E V E D P S N D G L E L E E E N F D E N S G D D E T L L D A
CCCCGAAGATGACTTTGCCTTAACAGATTGCAATTGAAGACGATGAGGAAGTCAACGAAACGTTAGATGGAGGTGAATCATTAGGAG 450
T P E D D F A L T D L P I E D D E E V N E T L D G G E S L G
AGGTTTCCACTGAAGATATGGAACAGAGATGGCTCAACAGATGATACGGAACAGAGAAGGACTACCTGGTGATATGGAAGGAGAAG 540
E V S T E D M E T E D G S T D D T E T E E G L P G D M E G E
AAGAAGCTGGCGATATGGAAGCAGGGGAAGAAGCTGGTGATTGGAAGCAGGGGAAGAAGTGGCGATTGGAAGCAGGGGAAGAAGCTG 630
E E A G D M E A G E E A G D L E A G E E T G D L E A G E E T
GGCATTGGAAGCAGGGGAAGAAGCTGGTGATTGGAAGCAGGGGAAGAAGTGGCGATTGGAAGCAGGGGAAGAAGTGGAGATGGCG 720
G D L E A G E E A G D L E A G E E T G D L E A G E E T G D A
AAACTGAAGAAGGAGCAACTGGAGATGGGAAACTGAAATGGAGCAACTGTGTATGTAGACACAGAAGATAGTTCAGCTGATGGAGCAG 810
E T E E G A T G D A E T E N G A T V Y V D T E D S S A D G A
AAAAAGTACATGTTCTGCTCAAGAAATGTACAACCTGCCGATAGTATGATGCCCTCTTGGAAAGTATTTGGATAAAGATATAATT 900
E K V H V P A Q E N V Q P A D S N D A L F G S I L D K D I I
TTGATCATATTAAGATTTCGAGCCACTATTCGAACAAATTTGGCGGGTACTGCTAAACATGTTACGGGACAAGAATTGCCAATGAAAC 990
F D H I K D F E P L F E Q I V A G T A K H V T G Q E L P M K
CTGTACCATTACCAGTGGCAGAAGAGCCCGCAAGTACCAGCGGAAGATTAGATGCCACTCCAGAGGATGACTTCGCATTAGATGTTA 1080
P V P L P V A E E P A Q V P A E E L D A T P E D D F A L D V
CAGAATCTCCCGAGGAAGTAGAATTAGTATTAGATGAAGAGGCAACTGAAGAAGAATCAACGGAAGTGGGACCAACGGAAGAAGGACCAA 1170
T E S P E E V E L V L D E E A T E E E S T E V G P T E E G P
CCGAAGAATTAGATGCCACTCCAGAGGATGGATTTCGCATTAGACGAACTGCAGAAGGAGAAACAGAAGAAACGTAGAGGGAGAAGAAA 1260
T E E L D A T P E D G F R I R R N C R R R N R R N V E G E E
CAGAAGAAGCTGCAGAAGGAGAAGTATCAGAAGAACTCCAGAAGGAGAAGAAGATTAGAGGCAACTCCAGAGGATGATTTCGCATTAG 1350
T E E A A E G E V S E E T P E G E E E L E A T P E D D F A L
ATGGAACACTACATTAGAAGAAACCGAAGAACTGCAGAAGGAGAAGAAACCGTAGAGGAGAAGAAACCGTAGAGGGAGAAGAAC 1440
D G T T L E E T E E T A G E E T V E G E E T V E G E E T V
AGGGAGAAGAGCTGCAGAAGGAGAAGAGATTAGAGGCAACTCCAGAGGATGACTTCCAATTAGAAGAACCATCAGGAGAAGGAGAAG 1530
E G E E A A E G E E E L E A T P E D D F Q L E E P S G E G E
GGGAAGGAGAAGGAGAAGGGAAGGAGAAGGAGCGTTAGTAGCAGTGCCAGTAGTGCCGCAACCGGTAGAAGTAGTGACTCCTGCTC 1620
G E G E G E G E G E G E A L V A V P V V A E P V E V V T P A
AGCCTGTCAAACCAATGGTCCGCTCCAACGGCAGATGAACCTTTATTCGTTGATATCTTAGATAACGATTTAACGATTCAGACATACAT 1710
Q P V K P M V A P T A D E T L F V D I L D N D L T Y A D I T
CCTTTGAGCCATTATTAAACAAATCCTCAAGGATCCTGATGCAGGAGAGGCTGTAAACAGTACCATCAAAGGAAGCACCTGTACAAGTAC 1800
S F E P L F K Q I L K D P D A G E A V T V P S K E A P V Q V
CAGTGGCAGTAGGGCCCGCAAGAAAGTGCACGGAAGAATTGATGCAACTCCAAGAGGAGCATTTCGAATTAGAAGGAAGTGCAGAAG 1890
P V A V G P A Q E V P T E E L M Q L Q E D D F E L E G T A E
CTCCAGAGGAAGGAGAATTAGTATTAGAAGGAGAAGGAGAACCAGGAAGAGAGCAAGAGAAGGAGCCAACAGAAGGAGAAGTGC 1980
A P E E G E L V L E G E G E P T E E E P R E G E P T E G E V
CAGAAGAAGATTAGAGGCAACTCCAGAGGACGATTTCGAATTAGAAGAACAACAGGAGAAGAAGTAGAAGAAACCGTAGAGGGCGAAG 2070
P E E E E A T P E D D F E L E E P T G E E V E E T V E G E
AAACTGCAGAAGGAGAAGAAGTGAAGAGGTACCTGCAGAAGTAGAAGAAGTGAAGAGGTACCTGCAGAAGTAGAAGAAGTGAAGAGG 2160
E T A E G E E V E E V P A E V E E V E E V P A E V E E V E E
TACCAGAAGAAGTAGAAGAGGTACCCGCAAGTAGAAGAAGTGAAGAGGTACCAGAAGAAGTGAAGAGGTACCAGAAGAAGTGAAGAGG 2250
V P E E V E E V P A E V E E V E E V P A E V E E V E
AGGTACCAGAAGAAGTGAAGAGGTACCAGAAGAAGTGAAGAGGTGAAGAAGTAGAGGTACCAGCGGTAGTAGAAGTAG 2340
E V P E E V E E V E E V E E V E E V E E V P A V V E V
AAGTACCAGCGGTAGTAGAAGAAGAGGTGCCAGAAGAAGTAGAAGAAGAAGAAGAGGAAGAACCAGTAGAGGAAGAAGATGTATTAC 2430
E V P A V V E E E V P E E V E E E E E E E P V E E E D V L
AATTAGTAATACCATCGGAAGAAGATATACAATTAGACAAACCAAGAAAGCAAGTATAGGCTCTGGAATTTTATCTATCATCGACATGC 2520
Q L V I P S E E D I Q L D K P K K D E L G S G I L S I I D M
ACTACCAAGACGTTCCAAAGGAATTTATGGAAGAAGAAGAAGAACTGCAGTGTATCCATTGAAACCAGAAGATTGCAAGGAAGATT 2610
H Y Q D V P K E F M E E E E T A V Y P L K P E D F A K E D

ATAATTC

3337

Figure 1

A



B

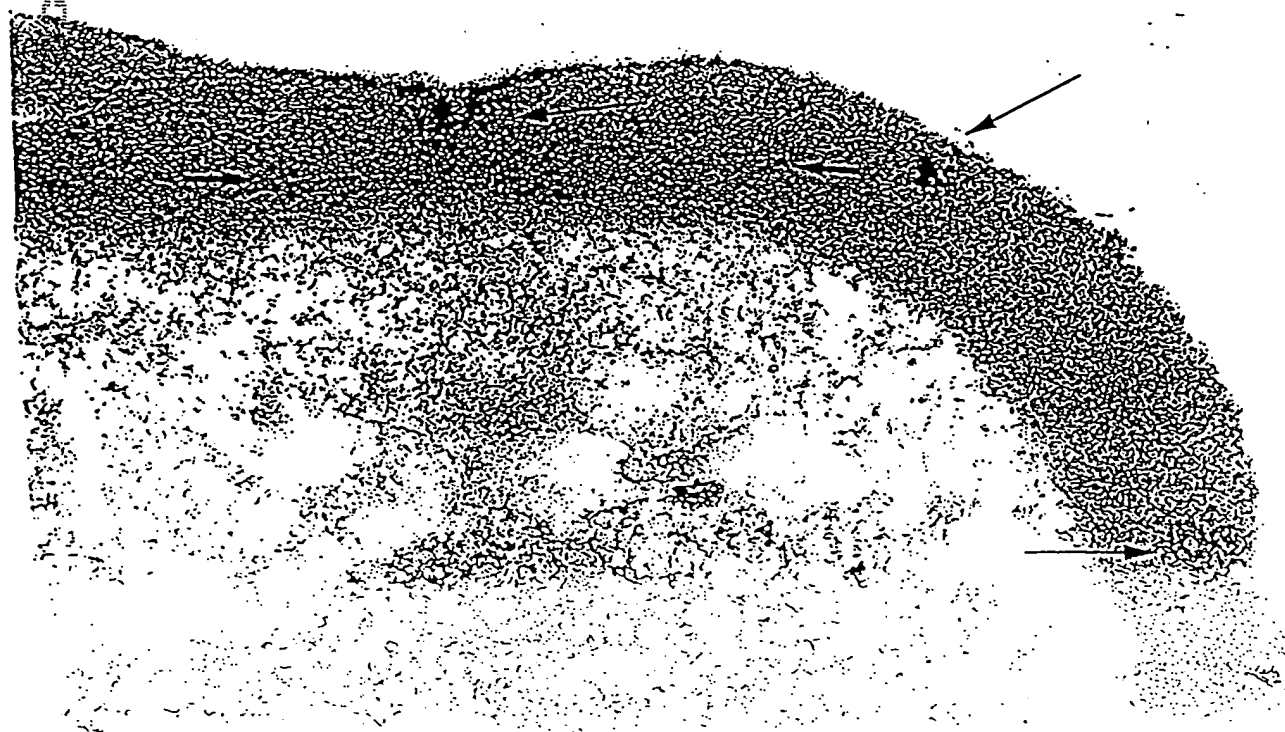
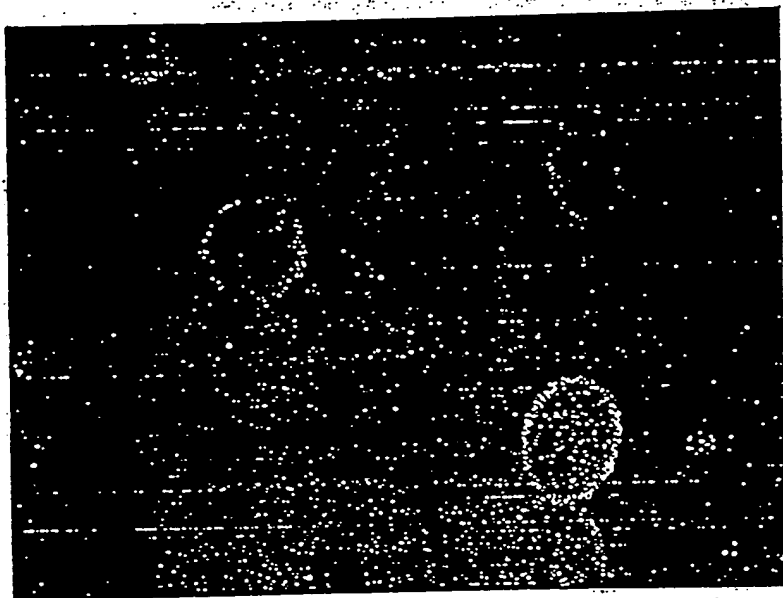


Figure 7.

A.



B.

